

Amendments to the Claims:

Please cancel claims 10 - 20 without prejudice or disclaimer of the subject matter thereof, and amend claims 1 and 3 - 9, as follows.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A narrow-directivity antenna probe for performing the measurement of or the irradiation with an electric field or a magnetic field, comprising:

a main antenna probe for performing said measurement of or said irradiation with said electric field or said magnetic field; and

at least two or more directionality-adjusting antenna probes located in proximity to said main antenna probe in order to narrow the directionality of said main antenna probe;

wherein said directionality-adjusting antenna probes are fed with opposite-phase electric currents with respect to the phase of the electric current fed to said main antenna probe, and a phase difference between the phase of the electric current fed to said main antenna probe and a phase of the opposite-phase electric currents fed to said directionality-adjusting antenna probes is in a range of  $\pi \pm \pi/2$ [rad].

Claim 2 (canceled)

3. (currently amended) The narrow-directivity antenna probe according to Claim-21, wherein said directionality-adjusting antenna probes are located in proximity to said main antenna probe in a symmetric arrangement.

4. (currently amended) The narrow-directivity antenna probe according to Claim-471, wherein a supply electric-power to said directionality-adjusting antenna probes is made smaller than a supply electric-power to said main antenna probe, or a reception electric-power of said directionality-adjusting antenna probes is attenuated and superimposed on a reception signal of said main antenna probe, or the size of said directionality-adjusting antenna probes is made smaller than that of said main antenna probe, said directionality-adjusting antenna probes being located in order to narrow said directionality of said main antenna probe for performing said measurement of or said irradiation with said electric field or said magnetic field.

5. (currently amended) The narrow-directivity antenna probe according to Claim-471, wherein an electromagnetic field generated by said directionality-adjusting antenna probes has a phase difference of  $\pi \pm \pi/2$  [rad] with respect to an electromagnetic field generated by said main antenna probe, said directionality-adjusting antenna probes being located in order to narrow said directionality of said main antenna probe for performing said measurement of or said irradiation with said electric field or said magnetic field.

6. (currently amended) A narrow-directivity antenna probe system for using said narrow-directivity antenna probe according to Claim 47-1 in plural number so as to isolate and observe electromagnetic fields from wave sources existing in a desired

spacious region, or so as to superimpose electromagnetic fields on each other in a desired spacious region thereby to generate an electromagnetic field that is more intense than said electromagnetic field generated in the case of said single narrow-directivity antenna probe.

7. (currently amended) An electromagnetic-field measurement apparatus for using said narrow-directivity antenna probe according to Claim ~~47~~1 so as to measure the proximate electric-field or magnetic-field distribution in proximity to an electronic appliance or the like.

8. (currently amended) An electric-current distribution search-for apparatus for using said narrow-directivity antenna probe according to Claim ~~47~~1 so as to measure the proximate electric-field or magnetic-field distribution in proximity to an electronic appliance or the like, and for determining said electric-current distribution by calculation from a result of said measurement.

9. (currently amended) An electrical-wiring diagnosis apparatus for using said narrow-directivity antenna probe according to Claim ~~47~~1 so as to irradiate an electronic appliance or the like with an electric field or a magnetic field, and for detecting a signal thereby to check the electrical-wiring connection state of said electronic appliance or the like, said signal being generated at a terminal of said electronic appliance or the like by an electric voltage or an electric current induced by said electric field or said magnetic field.

Claims 10 - 20 (canceled)